

### ABSTRACT OF THE DISCLOSURE

Apparatuses for enabling multiple modes of operation are disclosed that include power and data interfaces for inter-connecting multiple devices. The apparatuses, in various configurations, connect primarily powered devices, batteries, and a plurality of external peripheral devices, among which are monitoring devices, power supplies, and battery chargers. In connecting a combination of devices, for example a battery, its host device, and a peripheral third device comprised of a battery charger and power supply, said apparatus allows simultaneous and concurrent data or power to flow between at least two of said devices.